

-12-

CLAIMS

1. A security door frame for recreational vehicles including:

a hollow main frame portion comprising a main wall
5 surrounding an internal bore, the main wall including a latch assembly mounting face for mounting a latch assembly thereto such that at least part of the latch assembly can extend into the internal bore;

an architrave lapping portion attached to and extending
10 from the main wall of the main frame portion adjacent the latch assembly mounting face and having an architrave lapping face for lapping an architrave and a hinge mounting face substantially parallel to the architrave lapping face; and

a screen mounting portion attached to and extending from
15 the main wall of the main frame portion remote from the architrave lapping portion, the screen mounting portion having a screen spline channel adapted for receiving a screen mounting spline;

the parts being so formed and arranged that a screen
20 panel when mounted to the screen mounting portion is spaced from the hinge mounting face a distance sufficient to receive door furniture of a door when closed against the hinge mounting face of the architrave lapping portion.

25 2. An extrusion for a security door frame for recreational vehicles including:

a hollow main frame portion comprising a main wall
surrounding an internal bore, the main wall including a latch assembly mounting face for mounting a latch assembly thereto such
30 that at least part of the latch assembly can extend into the internal bore;

-13-

an architrave lapping portion attached to and extending from the main wall of the main frame portion adjacent the latch assembly mounting face and having an architrave lapping face for lapping an architrave and a hinge mounting face substantially parallel to the architrave lapping face; and

5 a screen mounting portion attached to and extending from the main wall of the main frame portion remote from the architrave lapping portion, the screen mounting portion having a screen spline channel adapted for receiving a screen mounting spline;

10 the parts being so formed and arranged that when formed into a frame having two stiles spaced from one another and two rails connecting the ends of the stiles to form a security door frame surrounding a screen space, a screen panel when mounted to the screen mounting portion to span the screen mounting space is
15 spaced from the hinge mounting face a distance sufficient to receive door furniture of a door when closed against the hinge mounting face of the architrave lapping portion.

3. A security door for recreational vehicles including:

20 a security door frame having two stile members and two rail members joining the ends of the stile members together to form a rectangular door frame, the stile and rail members being formed from an extrusion for a security door frame as hereinbefore described, the corners of the door frame being
25 formed from joining elements having spigots adapted for insertion into the internal bore of the main frame portion;

a door latch assembly mounted to the latch assembly mounting face of the main frame portion;

one or more hinges mounted to the hinge mounting face of
30 the architrave lapping portion; and

-14-

a screen panel mounted to the screen mounting portion by operative insertion of a screen mounting spline into the screen spline channel to hold an edge portion of the screen panel therein.

4. A section of an extrusion for a security door frame for recreational vehicles including:

a hollow rectangle wherein the longer sides comprise an closing side spaced from an opening side, and the shorter sides comprise an inner side spaced from an outer side, the inner side adjoining the closing and opening sides at their respective ends substantially at right angles and the outer side joining the closing and opening sides inward from their respective ends substantially at right angles;

an L-shaped hollow portion having six sides, (1) one side being a common side common to a portion of the opening side of the rectangle from its outer end to (2) an inner web side extending from the opening side of the rectangle substantially at right angles to intersect at its end with (3) an outer flange side substantially at right angles outwardly to (4) an outward side remote extending substantially at right angles from the end of the outer flange side towards the closing side of the rectangle to (5) an inner flange side extending substantially at right angles from the end of the outward side to meet substantially at right angles with (6) an outer web side extending from the outer distal end of the opening side of the rectangle.

a closing side extension extending substantially co-linearly with inner side of the rectangle from closing side the rectangle to terminate at a distal end; and

an inner end extension having a proximal leg and a distal leg, the proximal leg extending substantially at right angles from the inner side of the rectangle intermediate the closing and

-15-

opening sides and the distal leg extending substantially at right angles from the end of the proximal leg to run substantially parallel to the closing side extension to end substantially level with the distal end of the closing side extension.

- 5 5. The section according to Claim 4, wherein, when extended to form an extrusion, said section forms an extrusion for a security door according to Claim 2.
6. The section according to Claim 5, wherein the outer side
10 when extended forms a latch assembly mounting face for mounting a latch assembly according to any one of Claims 1 to 3.
7. The section according to Claim 6, wherein the inner flange side of the section when extended forms the latch assembly
15 mounting face and the outer flange side forms the hinge mounting face according to any one of Claims 1 to 3.
8. A section according to Claim 7, wherein the screen mounting portion further includes a grille mounting channel into
20 which a security grille may be received.